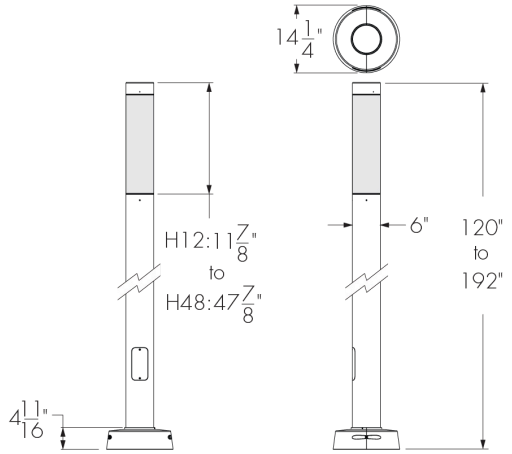
Project Name _____ **Qty** _____

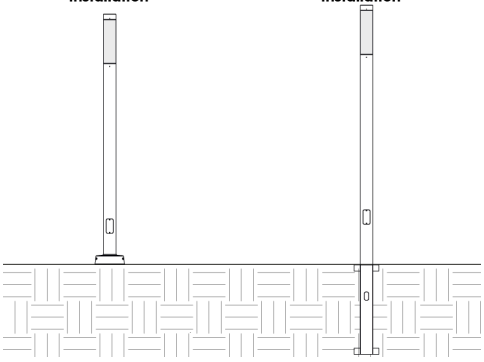
Type _____ **Catalog / Part Number** _____



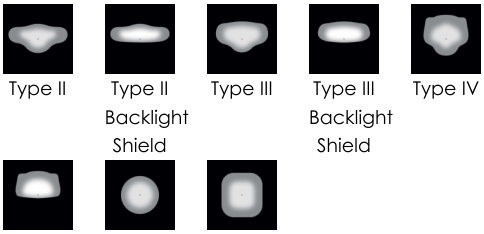
Top view

Side views

Configurations



Distributions



Type II | Type II Backlight Shield | Type III | Type III Backlight Shield | Type IV

Type IV Backlight Shield | Type V | Type V Square

Description

The Mobilia Column is an essential LED tool whose streamlined and contemporary design integrates effortlessly with surrounding architecture, public squares, walkways, pedestrian and bicycle paths, and landscape designs. Available in 6 in diameter and a variety of heights, the Mobilia Column offers the option of a Clear or Frosted lens as well as numerous distributions to deliver even, energy-efficient illumination.

Features

Height	10 ft, 11 ft, 12 ft, 13 ft, 14 ft, 15 ft, 16 ft
Color and Color Temperature	2200K, 2700K, 3000K, 3500K, 4000K, 5700K, RGB + White 3000K, RGB + White 4000K
Distributions	Type II, Type III or Type IV (with or without backlight shield), Type V, Type V square
Option	Corrosion-Resistant Coating for Hostile Environments Surge Protector Photoelectric Cell Button Type Ground Fault Duplex Receptacle Ground Fault Duplex Receptacle (While in Use) Anti-glare lens Direct Burial Duplex Receptacle with USB A and USB C Duplex Receptacle with USB A and USB C (While in Use) Motion Detector 10% Factory-set Dimming Level (Narrow Lens) Motion Detector 30% Factory-set Dimming Level (Narrow Lens) Motion Detector 50% Factory-set Dimming Level (Narrow Lens) Motion detector 70% factory-set dimming level (narrow lens) Motion Detector Programmable, Factory-set Dimming Level (Narrow Lens)

Color and Color Temperature

2200K | 2700K | 3000K | 3500K | 4000K

5700K | RGB + White 3000K | RGB + White 4000K

Control

ON/OFF | 0-10V | DMX/RDM | lumentalk

Rating

IP66 (optical chamber)

Motion Detector Options

Certifications

c UL us | 5 YEARS lumenpulse

Power Consumption	12W/luminaire (SO version), 24W/luminaire (RO version), 33W/luminaire (HO version)
Base Cover Options	Round Base Cover WL for 6 in Pole, Round Base Cover WC for 6 in column, Round Base Cover WO for 6 in column, Round Base Cover WY for 6 in Pole
Warranty	5-year limited warranty

Performance

Output (Nominal Lumens)	Soft output, Regular output, High output
Color Rendering	CRI 70+, CRI 80+
Lumen Maintenance	L70 120,000hrs (Ta 25 °C [77 °F])

Physical

Head Length (nominal)	12 in optical chamber, 18 in optical chamber, 24 in optical chamber, 36 in optical chamber, 48 in optical chamber
Housing Material	Extruded aluminium 6000 alloy series
Lens Material	Moulded acrylic impact resistant, clear or frosted lens
Hardware Material	Stainless steel, Tamper-proof screws
Weight	50 lbs (10 ft height) to 80 lbs (16 ft height)
Surface Finish	Super durable resistant exterior polyester powder coating meets AAMA 2604-98 requirements (5-years Florida exposure). A corrosion resistant finish (CRC) pre-finish is available to meet ASTM B-117 & ASTM D-1654 (salt spray resistance) and ASTM D-2247 requirements (humidity resistance).

Electrical and Control

Voltage	120 Volts, 208 Volts, 240 Volts, 277 Volts, 347 Volts, 480 Volts
Control	On/Off Control, 0-10V Dimming, DMX/RDM Enabled, Lumentalk

Environmental

Storage Temperature	-40 °F to 122 °F (device must reach start-up temperature value before operating)
Start-up Temperature	-40 °F to 104 °F
Operating Temperature	-40 °F to 104 °F
Ingress Protection Rating	IP66 (LED module)
Environment	Dry/damp/wet location

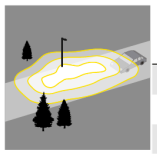
Important

Virtual Patent Marking Notice

This website (https://www.lmpg.com/patents-trademarks) is provided to satisfy the virtual patent marking provisions of applicable jurisdictions. Some products listed may be covered by additional patents not referenced here.

Photometric Information

Type II, 4000K, CRI 80+

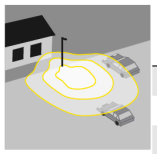


	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
SO	980	82	0	1	1	12
RO	1,834	76	1	2	1	24
HO	2,511	76	1	2	1	33

Type III, 4000K, CRI 80+

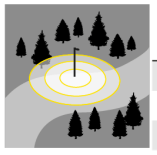
	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
SO	1,096	91	0	1	1	12
RO	2,050	85	1	2	1	24
HO	2,807	85	1	2	1	33

Type IV, 4000K, CRI 80+



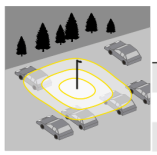
	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
SO	922	77	0	1	1	12
RO	1,724	72	1	2	1	24
HO	2,361	71	1	2	2	33

Type V, 4000K, CRI 80+



	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
SO	973	81	1	3	1	12
RO	1,820	76	1	3	1	24
HO	2,493	75	1	3	2	33

Type V Square, 4000K, CRI 80+



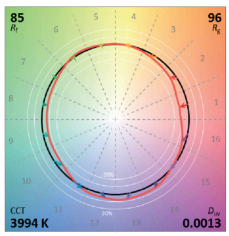
	Nominal output [lm]	Typical delivered output [lm]	Efficiency (lm/W)	BUG Rating B	U	G	Typical maximum power 120/277V (W)
SO	1,059	88	1	1	1	12
RO	1,980	82	1	2	1	24
HO	2,712	82	2	2	1	33

Photometric performance is measured in compliance with IESNA LM-79-24. Due to rapid and continous advance in LED technology, photometric information is subject to change without notice.

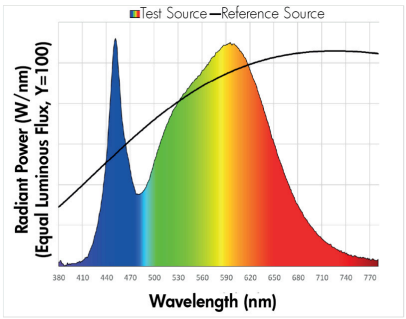
Chromaticity Data

TM-30 - 4000K

CCT	CIE		TM-30	
4000K	R_a	83	85	R_f
	R_9	14	96	R_g

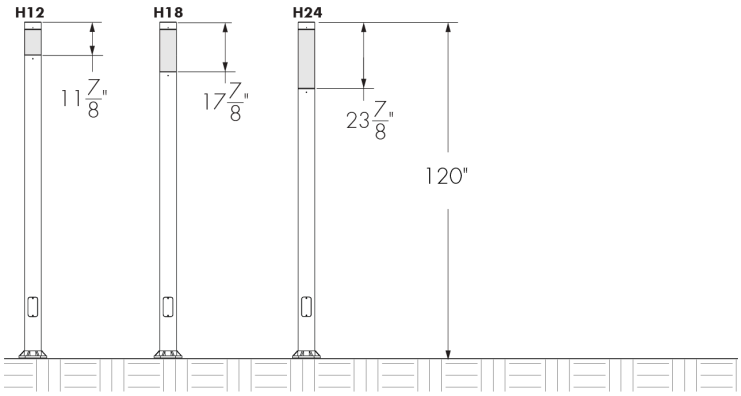


Spectral Power Distribution



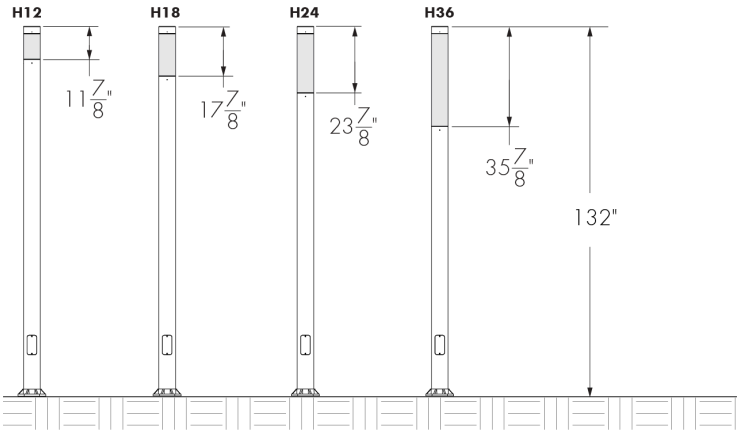
Luminaire Dimensions

10 ft Column



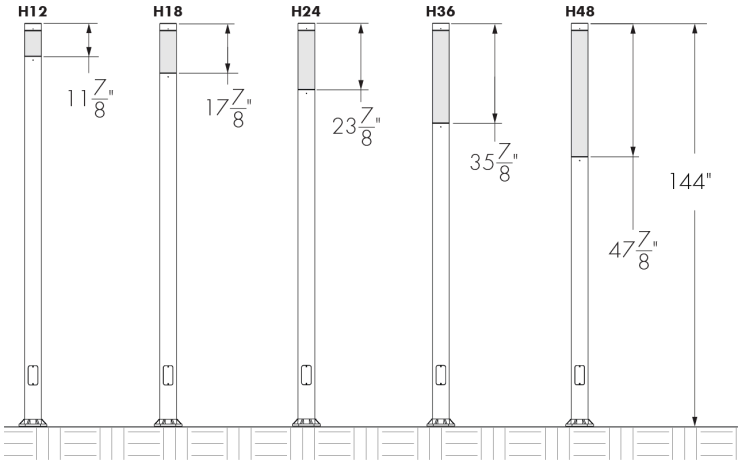
Side views

11 ft Column



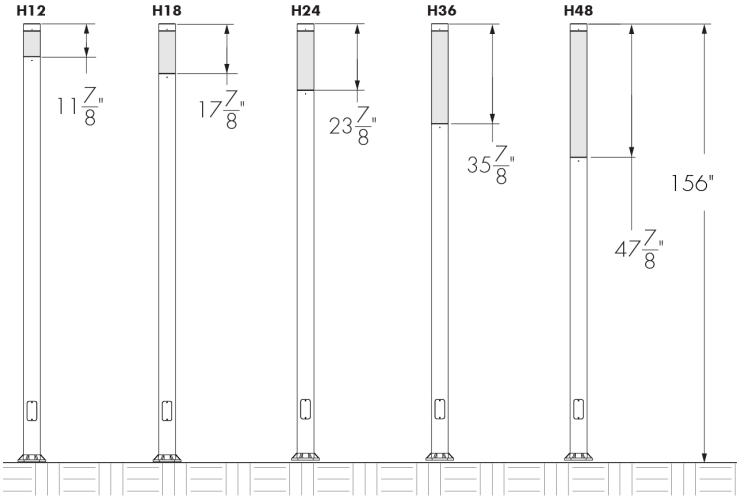
Side views

12 ft Column



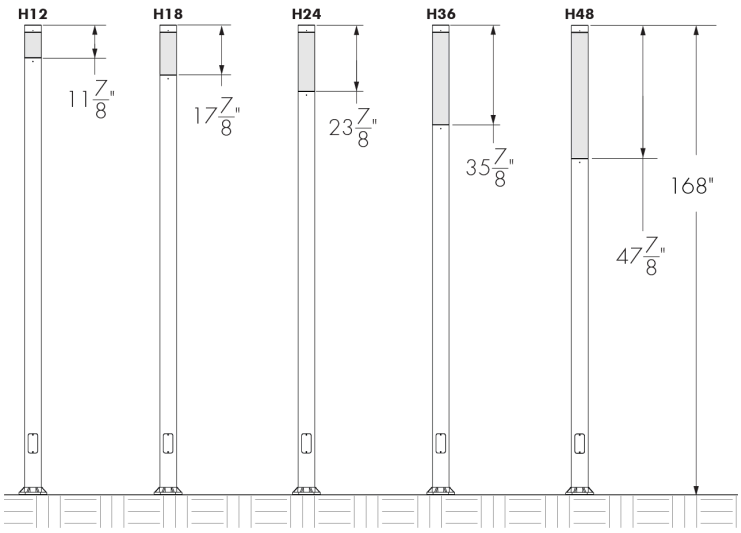
Side views

13 ft Column



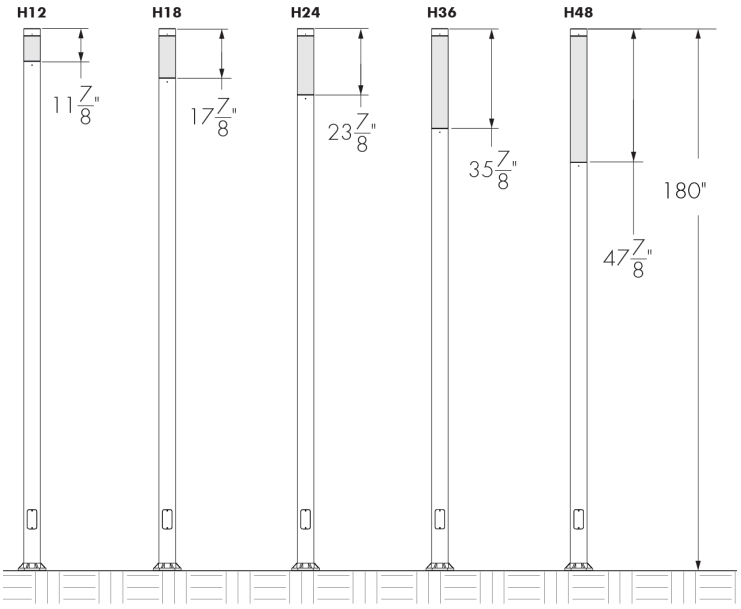
Side views

14 ft Column



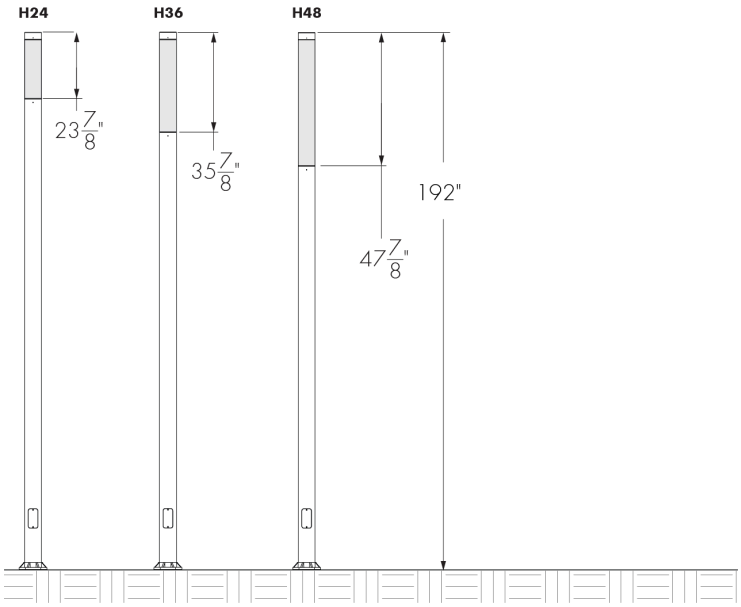
Side views

15 ft Column



Side views

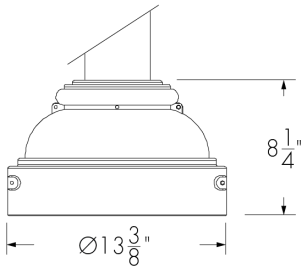
16 ft Column



Side views

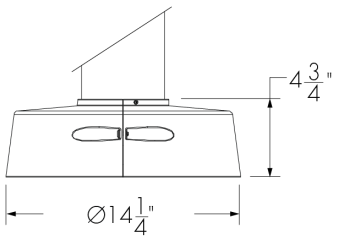
Base Cover Options Dimensions

WC - Round Base Cover WC For 6 in Column



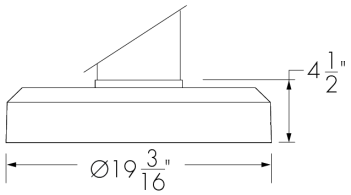
Side view

WL - Round Base Cover WL For 6 in Column



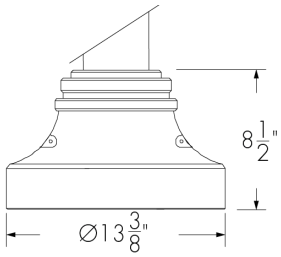
Side view

WO - Round Base Cover WO For 6 in Column



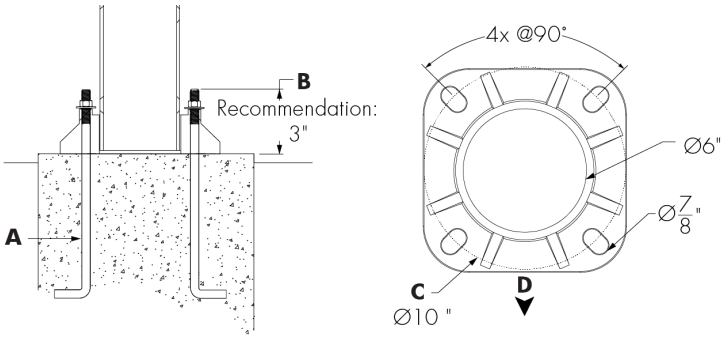
Side view

WY - Round Base Cover WY For 6 in Column



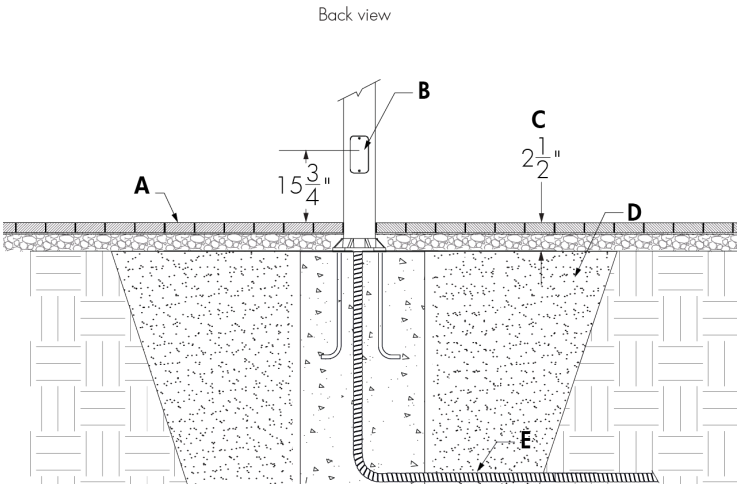
Side view

Standard Installation Assembly Details And Dimensions



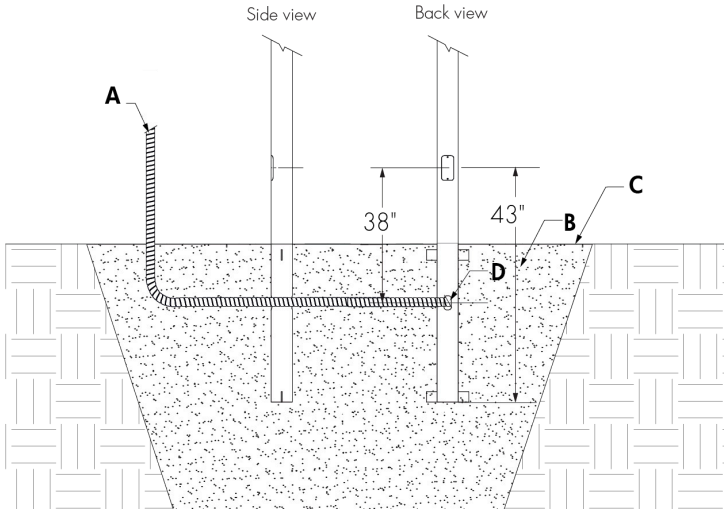
A - (4x) Ø3/4 in by 26 in long anchor bolts with flat washers and nuts for each
B - 3 in recommended to allow for assembly of nuts, washers and plate.
C - Bolt circle
D - Access door and street side

Semi-Buried Installation Assembly Details



A - Finished grade
B - Access door
C - Buried section, at least 5 in
D - Filling
E - Conduit (by others)

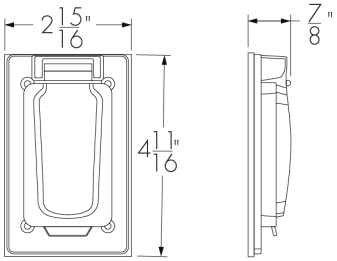
Direct Burial Installation Assembly Details And Dimensions



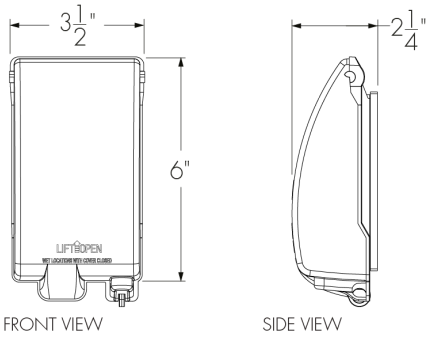
A - Conduit (by others)
B - Filling
C - Finished grade
D - Opening for conduit

Duplex Receptacle Details

DRG - Ground Fault Duplex Receptacle
USB - Duplex Receptacle With USB A and USB C



DRG IU - Ground Fault Duplex Receptacle (While in Use)
USB IU - Duplex Receptacle With USB A And USB C (While In Use)



* Weather-restistant and lockable cover (padlock by others)

A - Cord and plug from third party accessory or device.

Standard location of duplex receptacle (DRG, USB, DRG IU and USB IU) is 16 in from the ground on street side (consult factory for others configurations).

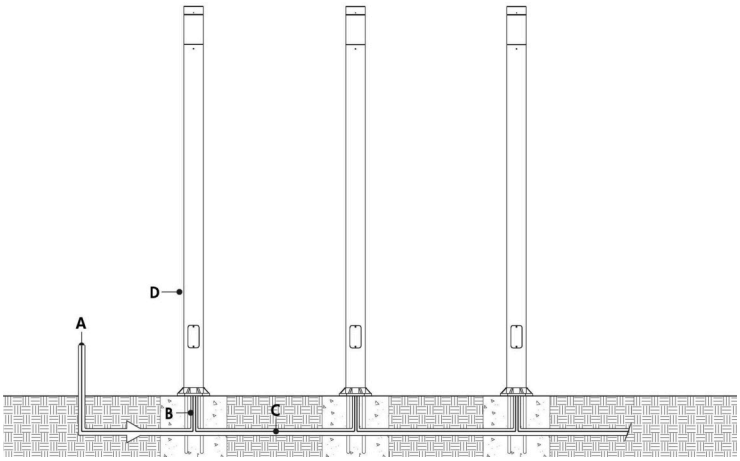
The duplex receptacle must be installed in accordance with applicable national and local electrical and construction codes by a person familiar with the construction and operation of the product and the hazards involved. Refer to national and local electrical codes before selecting a duplex receptacle to ensure all requirements are met.

Typical Wiring Diagrams

Wiring Color Code

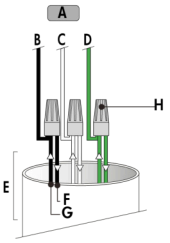
Color	Black	White	Green	Purple/Red	Gray/Orange
Use	Line	Line/Neutral	Ground	0 -10V+ /Data +	0 -10V - /Data -

On/Off Control (NO)



A - Power input (120-480V, wiring by others)
B - Conduit (by others)
C - Power wiring (by others)
D - Mobilia Column

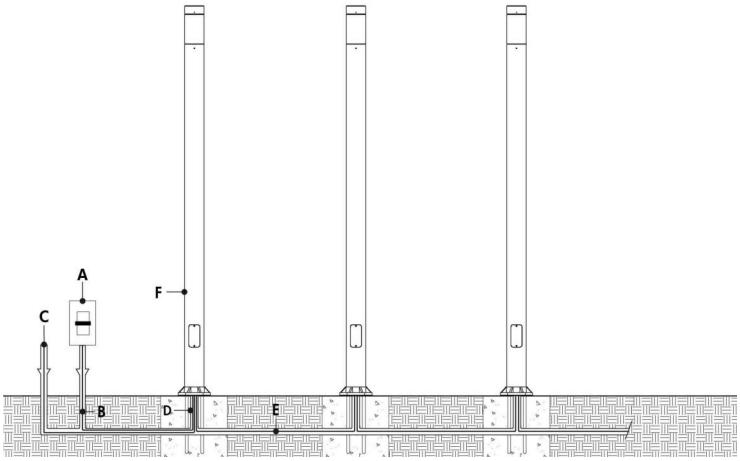
On/Off Control (NO) - Wiring Detail



A - To fixture
B - Line
C - Line/Neutral
D - Ground
E - Conduit (by others)
F - To next fixture
G - Power input or from previous fixture
H - Wire-nuts (by others)

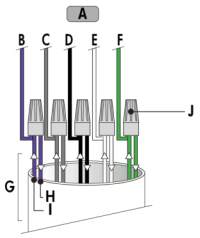
- Consult factory for specific applications and maximum fixture count/cable length recommendations.

0-10V Dimming (DIM)



A - Dimmer (by others)
B - Data wiring (by others)
C - Power input (120-480V, wiring by others)
D - Conduit (by others)
E - Power and data wiring (by others)
F - Mobilia Column

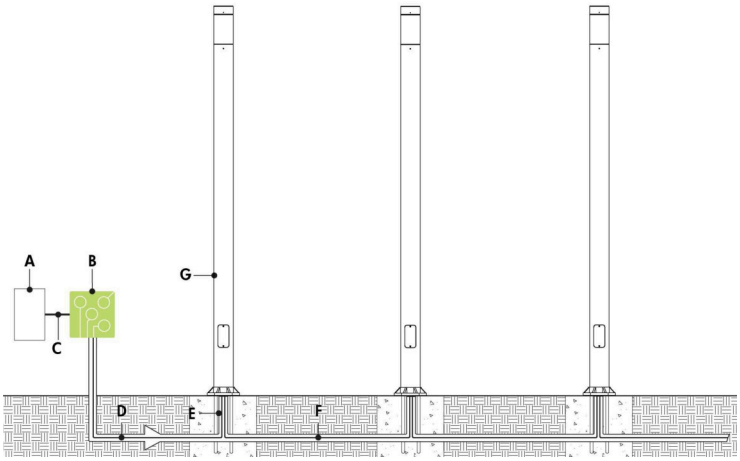
0-10V Dimming (DIM) - Wiring Detail



A - To fixture
B - 0-10V +
C - 0-10V -
D - Line
E - Neutral
F - Ground
G - Conduit (by others)
H - To next fixture
I - Power input or from previous fixture
J - Wire-nuts (by others)

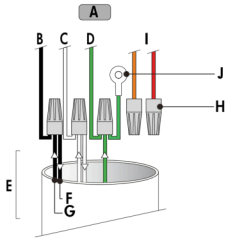
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- 0-10V mA ratings: passive dimmer (Current Sink): 3mA per fixture, active dimmer (Current Source): 0.5mA per fixture.
- 1% minimum dimming value.

Lumentalk (LT)



A - Dimmer/controller (order separately from Lumenpulse, or by others)
B - Lumentranslator (LTL-010, -DMX, -TRIAC, -DALI)
C - Data wiring (by others)
D - Power line (120-277V, wiring by others)
E - Conduit (by others)
F - Power wiring (by others)
G - Mobilia Column

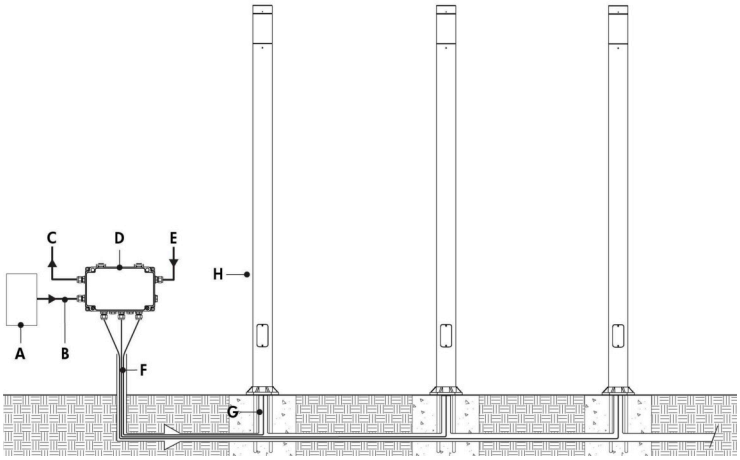
Lumentalk (LT) - Wiring Detail



A - To fixture
B - Line
C - Neutral
D - Ground
E - Conduit (by others)
F - To next fixture
G - Power input or from previous fixture
H - Wire-nuts (by others)
I - Not required
J - Ground lug

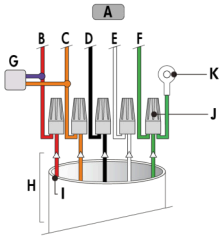
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- Lumentalk enabled fixtures must be commissioned using LumentalkID software and a LID-LT. Consult factory for details.
- Maximum of 1 transmitter (Lumentranslator or Lumenlink) per system.
- No third party fixtures allowed on the same circuit.
- For DMX applications: 1 DMX controller per Lumentalk network, maximum of 48 DMX channels per Lumentalk network (minimum step transition update rate is 1 second, minimum fade time between two colors is 1 minute). Consult factory for applications that require additional capabilities.
- Consult factory for DALI Lumentalk applications.
- 1% minimum dimming value.

Star Layout (DMX/RDM)



A - DMX/RDM controller (order separately from Lumenpulse, or by others)
B - Data input (Belden 9841 or equivalent, by others)
C - Data output to next CBX (optional, not isolated/not boosted)
D - CBX-ST
E - Power input (120-480V, wiring by others)
F - Power and data output to fixture (wiring by others)
G - Conduit (by others)
H - Mobilia Column

DMX/RDM - Wiring Detail (Star Layout)



A - To fixture
B - Data +
C - Data -
D - Line
E - Neutral
F - Ground
G - Lumenterminator
H - Conduit (by others)
I - From CBX or from previous fixture
J - Wire-nuts (by others)
K - Ground lug

- Consult CBX installation instructions for additional wiring details.
- Consult factory for specific applications and maximum fixture count/cable length recommendations.
- The DMX/RDM protocol states a maximum of 32 DMX/RDM enabled fixtures on any single run.
- Maximum of 4 DMX/RDM repeaters/CBX cascading in line.
- Maximum of 6 outputs per CBX-ST.
- Each fixture requires 1 DMX address.
- DMX terminator is required at the end of each run to maintain data integrity. Six (6x) DMX lumenterminators included per CBX-ST. See installation instructions for details.
- 1% minimum dimming value.
- 100 watts per fixture.

Motion Detector Options

Programming

	MD10N - Narrow lens, 10% dimming level	**MD30N -** Narrow lens, 30% dimming level	**MD50N -** Narrow lens, 50% dimming level	**MD70N -** Narrow lens, 70% dimming level	**MDPN -** Narrow lens, programmable	
	100% (10V) 10% (1V)	100% (10V) 30% (3V)	100% (10V) 50% (5V)	100% (10V) 70% (7V)		How to provide code:
High mode [1]	10V	10V	10V	10V	• 5V - 10V (Increment: **0.2V**)	10V
Low mode [2]	1V	3V	5V	7V	• Off • 0V - 9.8V (Increment: **0.2V**)	2.6V
Time delay [3]	5 min	5 min	5 min	5 min	• 1min - 30min (Increment: **30 seconds**)	10 min
Cut off [4]	1 hr	1 hr	1 hr	1 hr	• Disable • 1min - 59min (Increment: **30 seconds**) • 1hr - 5hr (Increment: **1 hour**)	3 hr
Set point [5]	Dis	Dis	Dis	Dis	• Disable • Auto • 1fc - 250fc (Increment: **1fc**)	Auto
Sensitivity [6]	Max	Max	Max	Max	• On-Fix • Off-Fix • Low • Med • Max	Med
Ramp up [7] **time**	3 sec	3 sec	3 sec	3 sec	• Disable • 1sec - 60sec (Increment: **1 second**)	10 sec
Fade down [8] **time**	3 sec	3 sec	3 sec	3 sec	• Disable • 1sec - 60sec (Increment: **1 second**)	10 sec
Photocell [9] **On/Off**	Dis	Dis	Dis	Dis	• Disable • 1fc - 250fc (Increment: **1fc**)	Dis

[1] When the sensor detects motion, the dimming control output ramps up to the selected HIGH light level.
[2] After the sensor stops detecting motion and the time delay expires, the dimming control output fades down to the selected LOW light level.
[3] The selected time period that must elapse after the last time the sensor detects motion for the electric lights to fade to LOW mode.
[4] The time period that must elapse after the lights fade to LOW mode, and the sensor detects no motion for the electric lights to turn OFF.
[5] When enabled, the selectable ambient light level threshold that will hold the electric lights off or at LOW level when the sensor detects motion.
[6] The response of the PIR detector to motion within the sensor's coverage area.
[7] Time period for light level to increase from LOW to HIGH.
[8] Time period for light level to decrease from HIGH to LOW.
[9] When enabled, the sensor will force the load OFF after the light level has exceeded the selected photocell setpoint PRIOR SAVE SEND for at least a minute. It will also force the load ON when the light level goes below the setpoint, even if no motion is detected.
[10] The motion detector programming can be modified on site. A remote is required, order separately. See Remote section in the specification sheet for details.

Dimming: When motion is detected within the sensor's coverage area, the sensor sends a signal to ramp the load up to the selectable High Mode level unless the ambient light level is higher than the selected setpoint. When no motion is detected for the duration of the time delay setting, the lights will go to the selectable Low Mode level based on the signal from the sensor. If desired, a cut off time delay will trigger to eventually turn the lights OFF.
Non dimming: When motion is detected within the sensor's coverage area, the sensor sends a signal to turn the load ON unless the ambient light level is higher than the selected setpoint. When no motion is detected for the duration of the time delay setting, the lights will go OFF based on the signal from the sensor.
Dusk to dawn control: When photocell on/off is enabled, and the ambient light falls below the photocell setpoint, the sensor ramps the load up to the selectable High Mode level. If no motion is detected for the duration of the time delay setting, the lights will go to the selectable Low Mode level. If the cut off time delay is disabled, the load will remain on, at High or Low level, based on motion detection, until the ambient light increases above the photocell setpoint.

Coverage Area

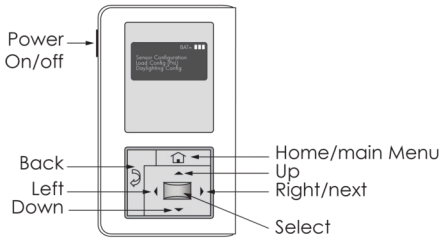
Narrow Lens (MD10N, MD30N, MD50N, MD70N and MDPN)*

* Maximum 15 ft height, 30 ft diameter coverage area.

High temperatures at the covered area (above 88 °F - 91 °F) reduce the detection zone of the sensor. Consider adding more sensors if the ambient temperatures are expected to be high. Additionally, high floor level temperature may require larger movement for detection. Coverages shown in the diagrams are maximum, measured in linear feet. They represent coverage for walking motion, with no obstacles.

Remote (Order Separately)

MDRC001 - Remote to Program Motion Detector on Site



- Compatible with all motion detector options.

How to Order

Housing	Shapes	Height	Voltage	Lens	Output (Nominal Lumens) [3]	Color and Color Temperature	Color Rendering [3]	Distributions	Head Length (nominal)	Finish	Control
MOBC6 Mobilia Column 6 in	**R** Round	**10FT** 10 ft [1] **11FT** 11 ft **12FT** 12 ft **13FT** 13 ft **14FT** 14 ft **15FT** 15 ft **16FT** 16 ft [2]	**120** 120 Volts **208** 208 Volts **240** 240 Volts **277** 277 Volts **347** 347 Volts **480** 480 Volts	**CL** Clear lens [3] [4] **FR** Frosted lens [5]	**SO** Soft output (1000 lumens) **RO** Regular output (1750 lumens) **HO** High output (2750 lumens)	**22K** 2200K **27K** 2700K **30K** 3000K **35K** 3500K **40K** 4000K **57K** 5700K [6] **RGBW30K** RGB + White 3000K [5] [7] [8] **RGBW40K** RGB + White 4000K [5] [7] [8]	**CRI 70** CRI 70+ [9] **CRI 80** CRI 80+ [10]	**2** Type II **2BLS** Type II Backlight Shield **3** Type III **3BLS** Type III Backlight Shield **4** Type IV **4BLS** Type IV Backlight Shield **5** Type V **5S** Type V Square	**H12** 12 in optical chamber **H18** 18 in optical chamber **H24** 24 in optical chamber **H36** 36 in optical chamber **H48** 48 in optical chamber	**BK** Black Sandtex® **BRZ** Bronze Sandtex® **SI** Silver Sandtex® **BKTX** Textured Black **BRZTX** Textured Bronze Non-Metallic **GRATX** Textured Medium Gray **GRNTX** Textured Green **WHTX** Textured White **CC** Custom Color & Finish [11] [12] [13]	**NO** On/Off Control **DIM** 0-10V Dimming **DMX/RDM** DMX/RDM Enabled [14] **LT** Lumentalk Enabled Dimming [15] [16]

Notes:

1. Available for H12, H18 and H24 head length options only.
2. Available for H24, H36 and H48 head length options only.
3. Available for 22K, 27K, 30K, 35K, 40K and 57K color temperatures only.
4. Available with types 2, 2BLS, 3, 3BLS, 4, 4BLS and 5S distribution only.
5. Available with type 5 distribution only.
6. Consult factory for 5700K color temperature option.
7. Available with FR lens only.
8. Available with DMX/RDM and LT control options only.
9. CRI 70 available for 40K and 57K color temperatures only.
10. CRI 80 available for 22K, 27K, 30K, 35K and 40K color temperatures only.
11. Specify RAL number followed by "TX" for textured finish (ex: RAL9007TX) or STX for Sandtex finish (ex: RAL9007STX). Textured or Sandtex finishes are recommended for the durability of all products. If a finish is not specified with the RAL number (ex: RAL9007), a glossy finish will be provided. Please consult factory for other RAL textures and glosses, or to match alternate color charts. Final color matching results may vary.
12. Setup charges apply for RAL colors. Consult factory for details.
13. Longer lead times can be expected for custom RAL color finishes.
14. Available for RGBW30K and RGBW40K color options only.
15. Not available for 347V and 480V voltage options.
16. Lumentalk cannot be combined with a ground fault duplex receptacle (DRG or DRG IU), or a duplex receptacle (USB or USB IU)

How to Order

Option	Anchor Bolts Option	Base Cover Options
CRC Corrosion-Resistant Coating **SP** Surge Protector **PB** Photoelectric Cell Button Type [17] [18] [19] **DRG** Ground Fault Duplex Receptacle [17] [20] **DRG IU** Ground Fault Duplex Receptacle (While in Use) [17] [20] **AG** Anti-glare lens [21] **DB** Direct Burial [22] **USB** Duplex Receptacle with USB A and USB C [17] [20] **USB IU** Duplex Receptacle with USB A and USB C (While in Use) [17] [20] **MD10N** Motion Detector 10% Factory-set Dimming Level (Narrow Lens) [17] [23] [24] [25] **MD30N** Motion Detector 30% Factory-set Dimming Level (Narrow Lens) [17] [23] [24] [25] **MD50N** Motion Detector 50% Factory-set Dimming Level (Narrow Lens) [17] [23] [24] [25] **MD70N** Motion detector 70% factory-set dimming level (narrow lens) [17] [23] [25] [26] **MDPN** Motion Detector Programmable, Factory-set Dimming Level (Narrow Lens) [17] [23] [24] [25] [26]	**AB** Anchor Bolts [27]	**WL** Round Base Cover WL for 6 in Pole **WC** Round Base Cover WC for 6 in column **WO** Round Base Cover WO for 6 in column **WY** Round Base Cover WY for 6 in Pole

Notes:

17. Not available with LT control option.
18. Not available for 480V voltage option.
19. Not available with MD10N, MD30N, MD50N, MD70N and MDPN motion detector options.
20. Only one duplex receptacle can be specified by fixture.
21. Available with CL lens only.
22. Consult factory for details.
23. Only one motion detector can be specified per fixture, cannot be combined with a receptacle.
24. The motion detector programming can be modified on site. A remote is required, order separately. See Remote section in the specification sheet for details.
25. MD10N, MD30N, MD50N, MD70N and MDPN are Wattstopper motion detectors.
26. The motion detector is programmed in the factory, as per the settings requested at the time of the order.
27. Anchor bolts provided with double nuts, washers and template. One template provided for every 5 luminaires.